STIC Search Report
EIC 3600

USPTO

STIC Database Tracking Number: 100300

TO: Elaine Gort
Location: Pk. 5, 7B21
Art Unit: 3627
Wednesday, August 06, 2003

Case Serial Number: 09/693565

From: Caryn Wesner-Early
Location: EIC 3600
PK5-Suite 804
Phone: 306-5967

caryn.wesner@uspto.gov

Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov

EIC2100 COMMERCIAL DATABASE SEARCH REQUEST

Complete 705 Template Search Requested

☐ **RUSH - SPE signature required:** _____

Access DB# _CA3CC_

Business Methods Case: 705/ _30_ _g06f·0/7?_
Write in 705 subclass(es) to search required files for 705 cases or cases cross referenced in 705.

Log Number _____

Requester's Full Name: _Elaine Gort_ Examiner # : _77459_ Date: _8/1/03_

Art Unit: _3627_ Phone Number _703/308-6391_ Serial Number: _9/693565_

Bldg & Room #: _PK5 7B21_ Results Format Preferred: PAPER

If more than one search is submitted, please prioritize searches in order of need.

Provide the PALM Bib page or the following:

Title of Invention: _see attached bib sheet_

Inventors (provide full names): _See bib sheet_

Earliest Priority Filing Date: _10/20/00_

Requested attachments:

- If possible, provide the cover sheet, the IDS, examples, or relevant citations, authors, etc, if known.
- Please attach copies of the parts of this case that help explain or are most pertinent to this search. Examples are: *abstract, background, summary, claim(s) [not all of the claims].*

See particularly claims ~~1-6~~ 1

The claimed or apparent novelty of the invention is:

A cash register that reads ~~counts~~ the cash bills to determine the amount received and tracks checks received, and generates and transmits deposit reports ~~at~~ to a central control unit when the cash + checks are removed from the register.

This search should focus on:
(Also include keywords or synonyms)

See above

Thanks Ed

STIC Search Results
Feedback Form

USPTO

Questions about the scope or the results of the search? Contact *the EIC searcher or contact*:

Karen Lehman, EIC 3600 Team Leader
306-5783, PK5- Suite 804

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* [   ]   *Example: 3620 (optional)*

➤ *Relevant prior art **found**, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

   Types of relevant prior art found:

   - ☐ Foreign Patent(s)
   - ☐ Non-Patent Literature
        (journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art **not found**:*

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

sira
Search and Information
Resources Administration

```
?show files;ds
File 348:EUROPEAN PATENTS 1978-2003/Jul W03
              (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030731,UT=20030724
              (c) 2003 WIPO/Univentio
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
              (c) 2003 JPO & JAPIO
File 351:Derwent WPI 1963-2003/UD,UM &UP=200350
              (c) 2003  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
              (c) 2002 INPI.  All rts. reserv.


Set       Items     Description
S1            7      AU='BROOKS W'
S2            2      AU='BROOKS W F'
S3            3      AU='BROOKS WILLIAM'
S4            2      AU='BROOKS WILLIAM F'
S5            0      AU='RUSHIE P'
S6            0      AU='DUPLANTI D'
S7           14      S1 OR S2 OR S3 OR S4 OR S5 OR S6
S8           14      IDPAT (sorted in duplicate/non-duplicate order)
S9           10      IDPAT (primary/non-duplicate records only)
```

014623218   **Image available**
WPI Acc No: 2002-443922/200247
XRAM Acc No: C02-126310
XRPX Acc No: N02-349778
  **Joint, used in aircraft and boats, especially aircraft wing skin to
  stiffener joints, comprises low elastic modulus material bonded between
  two adherends**
Patent Assignee: BAE SYSTEMS PLC (BRAX)
Inventor: **BROOKS W**
Number of Countries: 096 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200222440	A1	20020321	WO 2001GB3912	A	20010831	200247	B
AU 200184224	A	20020326	AU 200184224	A	20010831	200251	

Priority Applications (No Type Date): GB 200022589 A 20000914
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200222440	A1	E	27	B64C-003/18	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
    JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH
    PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

| AU 200184224 | A | | | B64C-003/18 | Based on patent WO 200222440 |

Inventor: **BROOKS W**

013869906   **Image available**
WPI Acc No: 2001-354118/200137
Related WPI Acc No: 2000-222802
XRPX Acc No: N01-257218
  **A cigar combination pack including at least one cigar and an associated
  article**
Patent Assignee: BROOKS W (BROO-I)
Inventor: **BROOKS W**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6244434	B1	20010612	US 99286049	A	19990405	200137	B
			US 99399666	A	19990921		

Priority Applications (No Type Date): US 99399666 A 19990921; US 99286049 A
  19990405
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6244434	B1		6	B65D-077/00	CIP of application US 99286049
					CIP of patent US 6026952

Inventor: **BROOKS W**

013464975 · **Image available**
WPI Acc No: 2000-636918/200061
XRPX Acc No: N00-472216
  Cash management system for use in stores, has drop safe with bill
  validator to determine denomination of bills and interface panel mounted
  on its sides
Patent Assignee: BROOKS ARMORED CAR SERVICES INC (BROO-N)
Inventor: BLUEBELLO J K; **BROOKS W F** ; FRONTINO L J
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 6067530   A   20000523 US 95542984 ·   A   19951013 200061 B

Priority Applications (No Type Date): US 95542984 A 19951013
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6067530   A   28 G06F-017/60

...Inventor: **BROOKS W F**

  9/3,K/4   (Item 4 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

013050948   **Image available**
WPI Acc No: 2000-222802/200019
Related WPI Acc No: 2001-354118
XRPX Acc No: N00-166870
  Packaging arrangement for a combined beverage and cigar gift pack
Patent Assignee: BROOKS W (BROO-I)
Inventor: **BROOKS W**
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
US 6026952   A   20000222 US 99286049   A   19990405 200019 B

Priority Applications (No Type Date): US 99286049 A 19990405
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6026952   A   6 B65D-077/00

Inventor: **BROOKS W**

  9/3,K/5   (Item 5 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

011835968   **Image available**
WPI Acc No: 1998-252878/199823
XRPX Acc No: N98-199774
  Lift car door motor control system – has controller connected to linear
  motor and it includes software for varying magnetising current to motor
  dependent upon load on motor
Patent Assignee: OTIS ELEVATOR CO (OTIS)
Inventor: AMEND B J; **BROOKS W F** ; COMINELLI D F; FARGO R N; REDDY K N;
  TOWEY J P; REDDY N K; REDDY N
Number of Countries: 029 Number of Patents: 007
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
EP 841293   A1   19980513 EP 97308739   A   19971031 199823 B
JP 10155296   A   19980609 JP 97301367   A   19971104 199833
BR 9705703   A   19990330 BR 975703   A   19971103 199919
US 5896951   A   19990427 US 96746256   A   19961107 199924

Caryn Wesner-Early EIC 3600 August 6, 2003 2

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SG 55982     A1  19990118  SG 973801    A  19971020  199930
KR 98042205  A   19980817  KR 9758808   A  19971107  199937
CN 1183670   A   19980603  CN 97126201  A  19971106  200242
```

Priority Applications (No Type Date): US 96746256 A 19961107
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 841293   A1 E   8 B66B-013/14
    Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
    LT LU LV MC NL PT RO SE SI
JP 10155296   A   6 H02P-007/00
BR 9705703   A   B66B-013/14
US 5896951   A   B66B-013/14
SG 55982   A1   B66B-013/08
KR 98042205   A   B66B-013/02
CN 1183670   A   H02P-007/00

...Inventor: **BROOKS W F**

 9/3,K/6   (Item 6 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

008749912   **Image available**
WPI Acc No: 1991-253926/199135
XRAM Acc No: C91-110236
XRPX Acc No: N91-193648
   **Electrochemical cell with one or more gas electrodes - which are formed
   of a porous structure of electrically conductive titanium suboxide**
Patent Assignee: ATRAVERDA LTD (ATRA-N); BROOKS W (BROO-I); EBONEX TECHN
   INC (EBON-N)
Inventor: **BROOKS W**
Number of Countries: 016 Number of Patents: 005
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
EP 443230   A   19910828 EP 90301781   A   19900220 199135 B
CA 2009612   A   19910808   199142 N
JP 3252057   A   19911111 JP 9039550   A   19900220 199151 N
EP 443230   B1   19940831 EP 90301781   A   19900220 199433
DE 69012091   E   19941006 DE 612091   A   19900220 199439
                             EP 90301781   A   19900220

Priority Applications (No Type Date): EP 90301781 A 19900220; JP 9039550 A
   19900220
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 443230   A
    Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE
EP 443230   B1 E   9 H01M-004/86
    Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE
DE 69012091   E   H01M-004/86   Based on patent EP 443230

Inventor: **BROOKS W**

 9/3,K/7   (Item 7 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

007745127
WPI Acc No: 1989-010239/198902
XRAM Acc No: C89-004686
XRPX Acc No: N89-007801
   Tracking roller - for controlling lateral movement on endless conveyor

belt as used in food freezing tunnel system
Patent Assignee: COMMONWEALTH IND GA (COMM-N)
Inventor: **BROOKS W**
Number of Countries: 002   Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2206553	A	19890111	GB 8816120	A	19880706	198902	B
AU 8818775	A	19890112				198909	
GB 2206553	B	19910807				199132	

Priority Applications (No Type Date): AU 872942 A 19870707
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2206553	A		9		

Inventor: **BROOKS W**

 9/3,K/8   **(Item 8 from file: 351)**
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

007324046
WPI Acc No: 1987-321053/198745
XRPX Acc No: N87-240230
  **Volume-selected NMR spectroscopy method – using selective RF excitation
  of spins in presence of field gradient superimposed on initial homogenous
  magnetic field**
Patent Assignee: UNIV QUEENSLAND (UYQU); DODRELL D M (DODR-I)
Inventor: BROOKS W M; DODDRELL D M; **BROOKS W** ; DODDRELL D
Number of Countries: 026   Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8706700	A	19871105	WO 87AU113	A	19870424	198745	B
ZA 8702922	A	19871015				198805	
AU 8773502	A	19871124				198806	
NO 8705376	A	19880222				198813	
DK 8706850	A	19871223				198829	
EP 303604	A	19890222	EP 87902345	A	19870424	198908	
JP 1500057	W	19890112	JP 87502803	A	19870424	198908	
US 4945308	A	19900731	US 87283482	A	19871105	199033	
EP 303604	B1	19940720	EP 87902345	A	19870424	199428	
			WO 87AU113	A	19870424		
DE 3750258	G	19940825	DE 3750258	A	19870424	199433	
			EP 87902345	A	19870424		
			WO 87AU113	A	19870424		
EP 303604	A4	19901128	EP 87902345	A	19870000	199513	

Priority Applications (No Type Date): AU 865608 A 19860424; AU 8773502 A
  19860422
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 8706700   A E 25
   Designated States (National): AU BG BR DK FI GB HU JP KR LK MC NO RO SU
   US
   Designated States (Regional): AT BE CH DE FR GB IT LU NL SE
EP 303604   A E
   Designated States (Regional): BE CH DE FR GB LI NL
EP 303604   B1 E 11 G01N-024/08   Based on patent WO 8706700
   Designated States (Regional): BE CH DE FR GB LI NL
DE 3750258   G   G01N-024/08   Based on patent EP 303604
                                     Based on patent WO 8706700

...Inventor: **BROOKS W**

9/3,K/9   (Item 9 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

001995382
WPI Acc No: 1978-08395A/197805
  **Pistol head for blending and spraying polyurethane foams - with
  non-return valves and detachable nozzles to eliminate fouling**
Patent Assignee: BROOKS W (BROO-I); INSTA-FOAM PRODUCTS (INST-N)
Inventor: **BROOKS W**
Number of Countries: 004   Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
BE 859130	A	19780116				197805	B
NL 7710233	A	19790321				197914	
DE 2742791	A	19790405				197915	
FR 2403881	A	19790525				197926	
DE 2742791	C	19861120				198647	
NL 188147	B	19911118				199148	N

Priority Applications (No Type Date): BE 859130 A 19770928

Inventor: **BROOKS W**

  9/3,K/10   (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01462226
COMPOSITE JOINTS
VERBUNDVERBINDUNGEN
JOINTS COMPOSITES
PATENT ASSIGNEE:
  BAE SYSTEMS plc, (427897), Warwick House, P.O. Box 87, Farnborough
    Aerospace Centre, Farnborough, Hampshire GU14 6YU, (GB), (Applicant
    designated States: all)
INVENTOR:
  BROOKS, William , Martinsbend, Sunyhill Lane, Oare, Malborough,
    Wiltshire SN8 4JG, (GB
PATENT (CC, No, Kind, Date):
                            WO 2002022440   020321
APPLICATION (CC, No, Date):   EP 2001963192 010831;   WO 2001GB3912   010831
PRIORITY (CC, No, Date): GB 22589 000914
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B64C-003/18
LANGUAGE (Publication,Procedural,Application): English; English; English
INVENTOR:
  BROOKS, William ...

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?show files;ds
File 347:JAPIO Oct 1976-2003/Apr(Updated 030804)
      (c) 2003 JPO & JAPIO
File 351:Derwent WPI 1963-2003/UD,UM &UP=200350
        (c) 2003  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
        (c) 2002 INPI.  All rts. reserv.

Set     Items    Description
S1      41363    CASH()(REGISTER? ? OR DRAWER? ?) OR CHECK?()OUT? ? OR CHEC-
                 KOUT? ? OR ECR OR CASHREGISTER? ? OR TILL? ?
S2      807122   OPTICAL()(CHARACTER()(RECOGNITION OR READER) OR SENS???) OR
                 OCR OR SCAN(5N)BITMAP OR (CONVERSION OR CONVERT???)(2N)(TEXT
                 OR ASCII) OR (PHOTOELECTRIC OR PHOTO()ELECTRIC)()CELL? ? OR R-
                 EAD???
S3      227243   CASH OR (PAPER OR FOLDING)()MONEY OR CURRENCY OR LEGAL()TE-
                 NDER OR BANK()NOTE? ? OR DOLLAR()BILL? ? OR BANKNOTE? ? OR CH-
                 ECK? ? OR CHEQUE? ? OR DRAFT? ? OR DRAUGHT? ? OR EURO OR FRANC
                 OR DEUTSCHMARK OR POUND OR RUPEE OR YEN OR LIRA OR PESO
S4      1419890  IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT??? -
                 OR DIFFERENTIAT??? OR DISTINGUISH??? OR DISCERN? OR PARTICULA-
                 RI? OR PERCEIV???
S5      3956657  VALUE? ? OR VALUATION? ? OR AMOUNT? ? OR PAYMENT? ? OR WOR-
                 TH OR RENUMERAT??? OR DENOMINATION? ? OR FACEVALUE? ? OR FIGU-
                 RE? ? OR SUM OR SUMS OR TOTAL? ?
S6      5024     S2(5N)S3
S7      114271   S4(5N)S5
S8      6        S1(S)S6(S)S7
S9      7778     S2(10N)S3
S10     167149   S4(10N)S5
S11     10       S1(S)S9(S)S10
S12     10       IDPAT (sorted in duplicate/non-duplicate order)
S13     10       IDPAT (primary/non-duplicate records only)
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13/3,K/1 ·   **(Item 1 from file: 351)**
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

015236918   **Image available**
WPI Acc No: 2003-297843/200329
XRPX Acc No: N03-236801
  Method to prevent unauthorized use of vehicle
Patent Assignee: ALTONIKA CO LTD (ALTO-R)
Inventor: BONDARIK A N; GERASIMCHUK A N; GRIBOK V P; SHEPTOVETSKII A YU
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
RU 2198802   C1   20030220 RU 2002115701   A   20020613 200329 B

Priority Applications (No Type Date): RU 2002115701 A 20020613
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
RU 2198802   C1   B60R-025/00

Abstract (Basic):
...   to user. When generating enquiry by pseudorandom code on
    vehicle, expected code of answer is **determined** and remembered,
    calculated check **sum** is added to code of enquiry and signal is
    transmitted on the air. If transponder...
...and transmission of answer is started immediately after revealing of
    coincidence of adopted and calculated **check** sums. Directly after
    termination of transmission of enquiry, **readout** of reception time is
    started during which presence of radio signal with enquiry and answer
    ...

...signal fades out in course of time of reception, further reception of
    answer is prohibited **till** the next enquiry signal.

13/3,K/2   **(Item 2 from file: 351)**
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

015087259   **Image available**
WPI Acc No: 2003-147777/200314 ·
XRPX Acc No: N03-116728
  Coins adding method in retail and wholesale establishment, involves
  determining and storing updated value of loose coins remaining in
  inventory so as to maintain accurate count of value of loose coins in
  inventory
Patent Assignee: CARTER O K (CART-I)
Inventor: CARTER O K
Number of Countries: 100 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020152141   A1   20021017 US 2001832509   A   20010411 200314 B
WO 200284452   A2   20021024 WO 2002US4691   A   20020212 200314

Priority Applications (No Type Date): US 2001832509 A 20010411
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
US 20020152141 A1   12 G06F-017/60
WO 200284452 A2 E   G06F-000/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
    IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
    OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
    ZA ZM ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR

Abstract (Basic):

...   A **value** of loose coins in an inventory is **determined** and
     stored in a computing device. The **value** of the **amount** of loose
     coins removed from the inventory and placed in a **cash   drawer** when
     it is **ready** to be replenished, is **determined** . The updated **value**
     of loose coins remaining in the inventory is **determined** and stored in
     the computing device to maintain accurate count of value of loose coins
     ...

13/3,K/3   (Item 3 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

014543037   **Image available**
WPI Acc No: 2002-363740/200240
XRPX Acc No: N02-284212
  **Security cash register used in e.g. taxi, gas station, is connected to
  taximeter, roadside gas pump with display or bar code reader for
  automatic determination of paid amount**
Patent Assignee: KUBACKI J (KUBA-I); MLITZ H (MLIT-I)
Inventor: KUBACKI J; MLITZ H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10038769	A1	20020221	DE 1038769	A	20000809	200240	B

Priority Applications (No Type Date): DE 1038769 A 20000809
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10038769	A1		13	G07G-001/12	

Abstract (Basic):

...   The **cash   register** for automatic **determination** of paid
     amount is connected to a taximeter, roadside gas pump with display or
     bar code **reader** . The **cash   register** has a stable housing (1)
     firmly anchored to its location and formed with input slits (9,10) for
     cash **payment** . A ·**recognition** device automatically **recognizes**
     introduced cash **payment** .

13/3,K/4   (Item 4 from file: 351)
DIALOG(R)File 351:Derwent WPI
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010573860   **Image available**
WPI Acc No: 1996-070813/199608
XRPX Acc No: N96-059432
  **Automatically identifying items in tableware of restaurant with automated
  billing and sorting jobs - allocating and attaching identification code
  respectively to categories and tableware items, reading code using reader
  linked to cash register to compare with stored codes and categories for
  identification of category to which item belongs**
Patent Assignee: SENSOR TECHNOS CO LTD (SENS-N); SHIMAMURA C (SHIM-I);
  SENSOR TECHNOS KK (SENS-N)
Inventor: SHIMAMURA C; KOBAYASHI M; SHIMAMURA S
Number of Countries: 011 Number of Patents: 016
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2291768	A	19960131	GB 9515246	A	19950725	199608	B
DE 4437087	A1	19960201	DE 4437087	A	19941017	199610	
AU 9474405	A	19960208	AU 9474405	A	19941004	199613	
FR 2723009	A1	19960202	FR 9413720	A	19941116	199613	

```
JP 8044794    A   19960216   JP 94174616   A   19940726   199617
CA 2133891    A   19960127   CA 2133891    A   19941007   199621
US 5522509    A   19960604   US 94328712   A   19941021   199628
AU 672133     B   19960919   AU 9474405    A   19941004   199645
IT 1268632    B   19970306   IT 94TO842    A   19941020   199739
ES 2106673    A1  19971101   ES 942633     A   19941223   199750
DE 4437087    C2  19980409   DE 4437087    A   19941017   199818
ES 2106673    B1  19980516   ES 942633     A   19941223   199826
GB 2291768    B   19981202   GB 9515246    A   19950725   199850
KR 169752     B1  19990115   KR 9425952    A   19941011   200038
MX 194424     B   19991207   MX 949585     A   19941209   200110
CA 2133891    C   20020402   CA 2133891    A   19941007   200231
```

Priority Applications (No Type Date): JP 94174616 A 19940726
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2291768	A		28	G06K-007/08	
DE 4437087	A1		16	B07C-005/34	
AU 9474405	A			A47G-023/00	
FR 2723009	A1			B07C-003/12	
JP 8044794	A		8	G06F-017/60	
CA 2133891	A			B07C-005/342	
US 5522509	A		16	B07C-005/02	
AU 672133	B			A47G-023/00	Previous Publ. patent AU 9474405
IT 1268632	B			G05B-000/00	
ES 2106673	A1			B07C-005/34	
DE 4437087	C2		16	B07C-005/34	
ES 2106673	B1			B07C-005/34	
GB 2291768	B			G06K-007/08	
KR 169752	B1			G06F-017/60	
MX 194424	B			B07C-005/002	
CA 2133891	C	E		B07C-005/342	

...Abstract (Basic): An automatic tag **reader** which is linked to a **cash register** (27) **reads** the identification code of the tag of an item of tableware. The identification code is...

...in memory, to which they are allocated. The category to which the item belongs is **identified** from the comparison. The **total** cost of selected item of tableware are calculated and displayed (28). A sorting appts. linked...

13/3,K/5   (Item 5 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

010523286   **Image available**
WPI Acc No: 1996-020239/199602
XRPX Acc No: N96-016919
  Coupons savings account system - transfers coupon amount to purchaser's account, and connects with banking system to complete transfer of funds from store's account to identified account
Patent Assignee: ALCHEMIST & CO INC (ALCH-N)
Inventor: LIDMAN D G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5471669	A	19951128	US 94214613	A	19940317	199602	B

Priority Applications (No Type Date): US 94214613 A 19940317
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5471669	A		7	G06K-019/00	

...Abstract (Basic): A crediting device communicates with the **cash register** , for crediting the **identified** money account in an **amount** equal to the **total** of the product coupons. A barcode **reader** enters coupons into the **cash register** .

13/3,K/6   (Item 6 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

010036144
WPI Acc No: 1994-303855/199438
XRPX Acc No: N94-238914
  Charge card system for POS payment for services and goods - has card loaded from account with credit value that can be used to provide direct payment facility
Patent Assignee: GRAF SANDIZELL N (SAND-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 4309942	A1	19940929	DE 4309942	A	19930326	199438	B

Priority Applications (No Type Date): DE 4309942 A 19930326
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4309942	A1		2	G07F-007/08	

...Abstract (Basic): compatible with standard cheque card cash points. The card may be loaded with a specific **amount** of credit by insertion and entry of a personal **identification** . The cards can be used with **readers** integrated into **cash registers** to pay for goods or a portable unit can be used. The units contain receiver...

13/3,K/7   (Item 7 from file: 351)
DIALOG(R)File 351:Derwent WPI
(c) 2003 Thomson Derwent. All rts. reserv.

002381747
WPI Acc No: 1980-J8215C/198041
  Time clock recording and computation apparatus - identifiers user from data on card and computes stores and records time period on card
Patent Assignee: KRONOS INC (TITG)
Inventor: AIN M S; BAXTER L K; COHEN R D; APSELL S P
Number of Countries: 014 Number of Patents: 009
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 16276	A	19801001				198041	B
BR 8001458	A	19801111				198048	
US 4270043	A	19810526				198124	
CA 1134041	A	19821019				198248	
AU 8321945	A	19840329				198420	
EP 16276	B	19861022				198643	
DE 2967631	G	19861127				198649	
DE 2967671	G	19880211				198807	
EP 16276	B2	19930428	EP 79301449	A	19790720	199317	

Priority Applications (No Type Date): US 7920223 A 19790313
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 16276	A	E			

    Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 16276	B	E			

    Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 16276 · B2 E 35 G07C-001/14
Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

...Abstract (Basic): a microprocessor and memory unit for storing
identification, time and other data of users. The **reading** unit
identifies information on the card at times of **check** -in and **check -
out** . In response to each **reading** , data associated with the user is
withdrawn from the memory unit to **identify** the user. A unit then
totals time periods between times of check-in and **check - out** to
maintain stored data as to summed time periods for the user. A
recording unit...

...the path, records the summed time period data on the space of the card
at **checkout** .

13/3,K/8 **(Item 8 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05235173 **Image available**
AUTOMATIC PAYMENT RECEIVING AND PAYING DEVICE

PUB. NO.:   08-190673 [JP 8190673 A]
PUBLISHED: July 23, 1996 (19960723)
INVENTOR(s):   HAGIWARA NORIAKI
                NAGASAWA YUTAKA
APPLICANT(s):   HITACHI LTD [000510] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   07-001021 [JP 951021]
FILED: January 09, 1995 (19950109)

ABSTRACT
...CONSTITUTION: A customer is made to **read** articles with a bar code
scanner in an automatic electronic **cash** **register** 1, article prices are
summed up and the customer puts in cash after the charge...

...3. The cash is divided into paper money and coins, each of them passes a
discriminator , the authenticity and the **amount** are **determined** and
they are displayed on the display device 3. The received amount and the
charged...
... change storing chamber and the amount is stored. A carrier path 6
connects each electronic **cash** **register** 1 and an automatic cash handling
device 5, carries cash, and carries and replenishes the...

13/3,K/9 **(Item 9 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04062562 **Image available**
ARTICLE SALES REGISTRATION DEVICE

PUB. NO.:   05-054262 [JP 5054262 A]
PUBLISHED: March 05, 1993 (19930305)
INVENTOR(s):   ISHII MASAAKI
APPLICANT(s):   TOKYO ELECTRIC CO LTD [000356] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   03-217385 [JP 91217385]
FILED: August 28, 1991 (19910828)
JOURNAL: Section: P, Section No. 1571, Vol. 17, No. 366, Pg. 74, July
                09, 1993 (19930709)

ABSTRACT
... specific department such as articles for special sale, article

registration is performed on an electronic **cash** **register** and then a group **read** means detects a status indicating whether or not a flag disabling the credit sales of...

...is detected and once this end is detected, the paying method is decided. For cash **payment** , no specific conditions are imposed, but when credit **payment** is **recognized** , cash **payment** is specified if the disable state of the credit payment is detected on the internal...

13/3,K/10 **(Item 10 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

01441661 **Image available**
TRANSACTION PROCESSOR

PUB. NO.:   59-153261 [JP 59153261 A]
PUBLISHED: September 01, 1984 (19840901)
INVENTOR(s):   OMAE KENICHI
                  TATEISHI KAZUMA
                  SHINOHARA YOSHITSUGU
                  ICHIHASHI MASAZUMI
APPLICANT(s):   OMRON TATEISI ELECTRONICS CO [000294] (A Japanese Company or
                  Corporation), JP (Japan)
APPL. NO.:   58-026733 [JP 8326733]
FILED: February 18, 1983 (19830218)
JOURNAL: Section: P, Section No. 326, Vol. 09, No. 6, Pg. 5, January
                  11, 1985 (19850111)

ABSTRACT
...CONSTITUTION: The ECR20 **reads** out the identification number of a **cash** (credit) card and is connected, with a host CPU20 or 30 in the credit company...
... 31. The ECR4 displays the returned information visually and a person in charge of the **ECR** **determines** the **total** validity of the transaction through the card. The returned information includes a report of loss...

```
?show files;ds
File 348:EUROPEAN PATENTS 1978-2003/Jul W03
         (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030731,UT=20030724
         (c) 2003 WIPO/Univentio

Set     Items     Description
S1      23429     CASH()(REGISTER? ? OR DRAWER? ?) OR CHECK?()OUT? ? OR CHEC-
                  KOUT? ? OR ECR OR CASHREGISTER? ? OR TILL? ?
S2      599386    OPTICAL()(CHARACTER()(RECOGNITION OR READER) OR SENS???) OR
                  OCR OR SCAN(5N)BITMAP OR (CONVERSION OR CONVERT???)(2N)(TEXT
                  OR ASCII) OR (PHOTOELECTRIC OR PHOTO()ELECTRIC)()CELL? ? OR R-
                  EAD???
S3      174440    CASH OR (PAPER OR FOLDING)()MONEY OR CURRENCY OR LEGAL()TE-
                  NDER OR BANK()NOTE? ? OR BILL? ? OR BANKNOTE? ? OR CHECK? ? OR
                  CHEQUE? ? OR DRAFT? ? OR DRAUGHT? ? OR EURO OR FRANC OR DEUT-
                  SCHMARK OR POUND OR RUPEE OR YEN OR LIRA OR PESO
S4      939926    IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT??? -
                  OR DIFFERENTIAT??? OR DISTINGUISH??? OR DISCERN? OR PARTICULA-
                  RI? OR PERCEIV???
S5      1281538   VALUE? ? OR VALUATION? ? OR AMOUNT? ? OR PAYMENT? ? OR WOR-
                  TH OR RENUMERAT??? OR DENOMINATION? ? OR FACEVALUE? ? OR FIGU-
                  RE? ? OR SUM OR SUMS OR TOTAL? ?
S6       6147     S2(5N)S3
S7      238431    S4(5N)S5
S8        43      S1(S)S6(S)S7
S9      37529     IC=G06F-017?
S10       15      S8 AND S9
S11       15      IDPAT (sorted in duplicate/non-duplicate order)
S12       15      IDPAT (primary/non-duplicate records only)
```

12/AY,AZ,TI/1   (Item 1 from file: 349)

01022655
COMPUTER AUTOMATED ELECTRONIC SMALL CHANGE HARVESTING METHOD
PROCEDE INFORMATIQUE AUTOMATISE DE COLLECTE DE PETITE MONNAIE
   Application: WO 2001ZA203 20011214

12/AY,AZ,TI/2   (Item 2 from file: 349)

00963611
EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM
   FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET
   POUR SERVICES DE LOCATION DE VEHICULES
   Application: WO 2001US51431 20011019

12/AY,AZ,TI/3   (Item 3 from file: 349)

00933152
EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM
   FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE ETENDU ENTRE ENTREPRISES, A FONCTIONS MULTIPLES,
   FONCTIONNANT SUR LE WEB, POUR DES SERVICES DE LOCATION DE VEHICULES
   Application: WO 2001US51437 20011019

12/AY,AZ,TI/4   (Item 4 from file: 349)

00918361
METHOD AND APPARATUS FOR PROCESSING CASH PAYMENTS FOR ELECTRONIC AND
   INTERNET TRANSACTIONS
PROCEDE ET APPAREIL DE TRAITEMENT DE PAIEMENTS EN LIQUIDE POUR DES
   TRANSACTIONS ELECTRONIQUES ET SUR L'INTERNET
   Application: WO 2001US49604 20011226

12/AY,AZ,TI/5   (Item 5 from file: 349)

00874899
ADMINISTERING INCENTIVE AWARD PROGRAM
GESTION D'UN PROGRAMME DE PRIME D'INCITATION
   Application: WO 2001US23312 20010725

12/AY,AZ,TI/6   (Item 6 from file: 349)

00806389
SCHEDULING AND PLANNING BEFORE AND PROACTIVE MANAGEMENT DURING MAINTENANCE
   AND SERVICE IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT
PROGRAMMATION ET PLANIFICATION ANTICIPEE, ET GESTION PROACTIVE AU COURS DE
   LA MAINTENANCE ET DE L'ENTRETIEN D'UN ENVIRONNEMENT DU TYPE CHAINE
   D'APPROVISIONNEMENT RESEAUTEE
   Application: WO 2000US32228 20001122

12/AY,AZ,TI/7   (Item 7 from file: 349)

00802534
ANY-TO-ANY COMPONENT COMPUTING SYSTEM
SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE
    Application: WO 2000US31231 20001113

    12/AY,AZ,TI/8   (Item 8 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00783185
SYSTEM AND METHOD FOR ADMINISTERING ELECTRONIC PROMOTIONS
SYSTEME ET PROCEDE DE GESTION DE PROMOTIONS ELECTRONIQUES
    Application: WO 2000US22269 20000814

    12/AY,AZ,TI/9   (Item 9 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00777022
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AN E-COMMERCE BASED
    ARCHITECTURE
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR UNE ARCHITECTURE BASEE SUR
    LE COMMERCE ELECTRONIQUE
    Application: WO 2000US20704 20000728

    12/AY,AZ,TI/10   (Item 10 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00777021
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AN E-COMMERCE BASED USER
    FRAMEWORK DESIGN FOR MAINTAINING USER PREFERENCES, ROLES AND DETAILS
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UTILISES EN COMMERCE ELECTRONIQUE
    POUR LA CONCEPTION DE STRUCTURES D'UTILISATEURS DESTINEES A PRESERVER
    LES PREFERENCES, ROLES ET DETAILS DES UTILISATEURS
    Application: WO 2000US20549 20000728

    12/AY,AZ,TI/11   (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00777017
A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A HOST FRAMEWORK DESIGN IN
    AN E-COMMERCE ARCHITECTURE
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION DESTINES A LA CONCEPTION D'UNE
    STRUCTURE D'ORDINATEUR CENTRAL DANS UNE ARCHITECTURE DE COMMERCE
    ELECTRONIQUE
    Application: WO 2000US20560 20000728

    12/AY,AZ,TI/12   (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00762425
AN ELECTRONIC-RECEIPTS SERVICE
SERVICE ELECTRONIQUE DE RECUS
    Application: WO 2000US15368 20000602

    12/AY,AZ,TI/13   (Item 13 from file: 349)
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

00753795
COMPUTER SYSTEM WITH PROGRAM CONFIGURATIONS AND METHODS FOR A STORE

SYSTEME INFORMATIQUE A CONFIGURATIONS DE PROGRAMME ET METHODES RELATIVES A
   UN MAGASIN
 ⹁ Application: WO 2000US11662 20000428

   12/AY,AZ,TI/14   (Item 14 from file: 349)
   DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

   00511589
   MATCH-CODE-RESPONSIVE SELECTING/CAPTURING OF POS WHOLE-TRANSACTIONS-DATA
   SELECTION/COLLECTE DE DONNEES DE TRANSACTIONS COMPLETES AUX POINTS DE
      VENTES (POS), SENSIBLES AUX CODES MATCH
      Application: WO 99US3539 19990219

   12/AY,AZ,TI/15   (Item 15 from file: 349)
   DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

   00348333
   AN   INTEGRATED   DEVELOPMENT   PLATFORM FOR DISTRIBUTED PUBLISHING AND
      MANAGEMENT OF HYPERMEDIA OVER WIDE AREA NETWORKS
   PLATE-FORME DE DEVELOPPEMENT INTEGREE   POUR LA PUBLICATION ET LA GESTION
      REPARTIES D'HYPERMEDIA SUR DES RESEAUX LONGUE PORTEE
      Application: WO 96US1686 19960321

DIALOG(R)File 349:PCT FULLTEXT

00762425   **Image available**
AN ELECTRONIC-RECEIPTS SERVICE
SERVICE ELECTRONIQUE DE RECUS
Patent Applicant/Assignee:
  RECEIPTCITY COM INC, 3051 N. 1st Street, San Jose, CA 95134, US, US
     (Residence), US (Nationality)
Inventor(s):
  ALLAN Scott T, 2924 Hillside Drive, Burlingame, CA 94010, US,
  MILES Jeffery, 6196 Gilder Drive, San Jose, CA 95123, US,
  STOUT J Greg, 642 Caliente, #23, Sunnyvale, CA 94086, US,
  VALLIANI Aziz, 1111 Tewa Court, Fremont, CA 94539, US,
  RAFII Abbas, 1546 Wisteria Court, Los Altos, CA 94024, US,
  KAREEMI Nazim, 2145 Emerson Street, Palo Alto, CA, US,
Legal Representative:
  KAUFMAN Michael A (et al) (agent), Flehr Hohbach Test Albritton & Herbert
     LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200075834 A2-A3 20001214 (WO 0075834)
  Application: WO 2000US15368 20000602 (PCT/WO US0015368)
  Priority Application: US 99137575 19990604; US 99141380 19990628; US
     2000480883 20000110
Designated States: CA JP
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 18738

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Claims

Claim
... the POS system 126 includes a portion
  1262 that is typically a non-web-enabled **cash   register** (although the
  portion 1262 may be web-enabled). An optionally web-enabled portion
  1261 is...

...to the
  internet 180. The POS system 126 may integrate the typically non-web
  enabled (" **cash - register** ") and web-enabled portions 1262,1261 of the
  POS
  payment platform, may maintain them distinct...
...enabled and webenabled portions 1262,1261 of the POS platform (i.e.,
  indirectly connect the
  cash - register and interactive web-enabled portions 1262, 1261 of the
  payment platform.) Alternatively, the POS system...of the
  communications is that the customer is shown a description of the item
  lost **identified** , its price, a running **total** of items **identified** for
  purchase so far, a running tax amount, etc. These descriptions may
  display on the...TC 200 includes or supports at least
  one of the following peripherals (not shown): a **check   reader** , a
  printer, a
  17
  scanner and a system for electronically capturing biogenic content such
  as...

DIALOG(R)File 349:PCT FULLTEXT

00753795   **Image available**
COMPUTER SYSTEM WITH PROGRAM CONFIGURATIONS AND METHODS FOR A STORE
SYSTEME INFORMATIQUE A CONFIGURATIONS DE PROGRAMME ET METHODES RELATIVES A
    UN MAGASIN

Claim
... IN
  FIRST EXECUTION THREAD
  25
  1 IF
  DECIDE DISCOUNT
  ELIGIBLITY IN
  SECOND EXECUTION THREAD
  30
   DETERMINE   TOTAL
  AMOUNTDUE
  35
  Figs 4
  /24
  7
  BAR CODE
  READER 310
  320
   CHECKOUT STATION 300
  BAR CODE
  READER 310
   CHECKOUT STATION 301
  8 BAR CODE
  READER 310
  FINANCIAL 322
  COMPUTER
  40
   CHECKOUT STATION 302
  L. . . . .
  . . . .
  Fig. 5
  SMARTCARD
  319 **READER** /WRITER
   CASH   REGISTER 315
  KEYBOARD

.318 ·
311
BAR CODE
READER 310 305
323 ew@351 zz@
POLE DISPLAY...

...25
RODUCTI N
DESCRIPTION
30
Y
UPDATE TOTAL -qo
DISCOUNT ISCOUNT TENDE
32 31
N
DETERMINE Y
TOTAL
AMOLINTDLIE OTAL?
40
DISPLAY
TOTAL
AMOLINTDLIE
45
FIG* 9
/24
1317
0054
3656
8435
Figs...

...I
I.
FINANCIAL
COMPUTER ------------------40 ----
8
I
Figs 12B
/24
7
BAR CODE
READER 310
CHECKOUT STATION 300'
BAR CODE
READER 310
CHECKOUT STATION 301'
8 BAR CODE
READER 310
FINANCIAL
COMPUTER
40
CHECKOUT STATION 3021
L . . . . — — — — — — — —
. . . .
Fig. 13
SMARTCARD
319 **READER** /WRITER
CASH REGISTER 315
KEYBOARD
318 @H
311
BARCODE
READER 310 H 305'
323 351

POLE DISPLAY 317...

...40 N@ -------------------- .@- j

8

ill

Figs 15B

2 4

/.O* ....

7

BAR CODE

READER -310

CHECKOUT STATION 300"

BAR CODE

READER 310

3 ''I

. . . .

CHECKOUT STATION 301'1

8 BARCODE

READER 310

FINANCIAL

COMPUTER

40

CHECKOUT STATION 302"

L. . . . .

. . . .

Fig. 16

/24

SMARTCARD

READER/WRITER

315

347

326 r

362'

MEMORY 333

CARDINTERFACE

SYSTEM 20' 328

....

....

CASH **REGISTER** SYSTEM 301 319

CASH **REGISTER**

KEYBOARD

318

311

BAR CODE

READER 310

32 351

POLE DISPLAY 317 JA

MEMORY 323...

...FINANCIAL

COMPUTER ------------- ------- ---------- ----------- @@-a

40 8

1111

Fige 18B

24

....

7

BAR CO

READER 310.

T

CHECKOUT STATION 300"'

BARCO

READE 0

331...

CHECKOUT STATION 301111

8 BARCODE

READER 310
FINANCIAL
COMPUTER
40
 CHECKOUT STATION 302111
L. . . . .
. . . .
Fig. 19
/ 2 4

CARDINTERFACE
SYSTEM 20 SMARTCARD
READER/WRITER
315
I
347
r
356
357
 CASH REGISTER MEMORY 333
KEYBOARD 318 3 5 3
3
358 --
PRINTER
354
311
BAR CODE
READER...

```
?show files;ds
File    2:INSPEC 1969-2003/Jul W4
           (c) 2003 Institution of Electrical Engineers
File   35:Dissertation Abs Online 1861-2003/Jul
           (c) 2003 ProQuest Info&Learning
File   65:Inside Conferences 1993-2003/Aug W1
           (c) 2003 BLDSC all rts. reserv.
File   99:Wilson Appl. Sci & Tech Abs 1983-2003/Jun
           (c) 2003 The HW Wilson Co.
File  233:Internet & Personal Comp. Abs. 1981-2003/Jul
           (c) 2003 Info. Today Inc.
File  256:SoftBase:Reviews,Companies&Prods. 82-2003/Jul
           (c)2003 Info.Sources Inc
File  474:New York Times Abs 1969-2003/Aug 05
           (c) 2003 The New York Times
File  475:Wall Street Journal Abs 1973-2003/Aug 05
           (c) 2003 The New York Times
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
           (c) 2002 The Gale Group


Set     Items    Description
S1      24406    CASH()(REGISTER? ? OR DRAWER? ?) OR CHECK?()OUT? ? OR CHEC-
                 KOUT? ? OR ECR OR CASHREGISTER? ? OR TILL? ?
S2     .316044   OPTICAL()(CHARACTER()(RECOGNITION OR READER) OR SENS???) OR
                 OCR OR SCAN(5N)BITMAP OR (CONVERSION OR CONVERT???)(2N)(TEXT
                 OR ASCII) OR (PHOTOELECTRIC OR PHOTO()ELECTRIC)()CELL? ? OR R-
                 EAD???
S3     462108    CASH OR (PAPER OR FOLDING)()MONEY OR CURRENCY OR LEGAL()TE-
                 NDER OR BANK()NOTE? ? OR BILL? ? OR BANKNOTE? ? OR CHECK? ? OR
                 CHEQUE? ? OR DRAFT? ? OR DRAUGHT? ? OR EURO OR FRANC OR DEUT-
                 SCHMARK OR POUND OR RUPEE OR YEN OR LIRA OR PESO
S4    2326167    IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT??? -
                 OR DIFFERENTIAT??? OR DISTINGUISH??? OR DISCERN? OR PARTICULA-
                 RI? OR PERCEIV???
S5    2363333    VALUE? ? OR VALUATION? ? OR AMOUNT? ? OR PAYMENT? ? OR WOR-
                 TH OR RENUMERAT??? OR DENOMINATION? ? OR FACEVALUE? ? OR FIGU-
                 RE? ? OR SUM OR SUMS OR TOTAL? ?
S6      1621     S2(5N)S3
S7     73827     S4(5N)S5
S8         0     S1(S)S6(S)S7
S9      2454     S2(10N)S3
S10   118770     S4(10N)S5
S11        0     S1(S)S9(S)S10
S12        0     S1 AND S9 AND S10
S13      .55     S1(S)S6
S14       10     S4(S)S13
S15       14     S1(S)S9(S)S4
S16       11     S15 NOT PY>2000
S17       11     S16 NOT PD=20001021:20030930
S18        8     RD (unique items)
```

4956539   INSPEC Abstract Number: C9507-5530-001
  Title: **Camera-based bar code recognition system using neural net**
  Author(s): Shu-Jen Liu; Hong-Yuan Liao; Liang-Hua Chen; Hsiao-Rong Tyan;
Jun-Wei Hsieh
  Author Affiliation: Inst. of Inf. Sci., Acad. Sinica, Taipei, Taiwan
  Part vol.2   p.1301-5 vol.2
  Publisher: IEEE, New York, NY, USA
  Publication Date: 1993 Country of Publication: USA   3 vol. xxxxiv+3061
pp.
  ISBN: 0 7803 1421 2
  Conference Title: Proceedings of 1993 International Conference on Neural
Networks (IJCNN-93-Nagoya, Japan)
  Conference Sponsor: Japanese Neural Network Soc.; IEEE Neural Networks
Council; Int. Neural Network Soc.; European Neural Network Soc.; Soc.
Instrum. & Control Eng.; IEICE
  Conference Date: 25-29 Oct. 1993   Conference Location: Nagoya, Japan
  Language: English
  Subfile: C

  Abstract: In this paper, a bar code **recognition** system using neural
networks is proposed. It is well known that in many stores the laser bar
code **reader** is adopted at **check - out** counters. However, there is a
major constraint when this tool is used. That is, unlike...

... important role in such system. In this paper, we propose a camera-based
bar code **recognition** system using backpropagation neural networks. The
ultimate goal of this approach is to use camera...

... the bar code. Finally, we use a trained backpropagation neural network
to perform bar code **recognition** task. Experiments have been conducted to
corroborate the proposed method.

4921365   INSPEC Abstract Number: C9505-5590-001
  Title: **A bar-code recognition system using backpropagation neural networks**
  Author(s): Hong-Yuan Liao; Shu-Jen Liu; Liang-Hua Chen; Hsiao-Rong Tyan
  Author Affiliation: Acad. Sinica, Taipei, Taiwan
  Journal: Engineering Applications of Artificial Intelligence   vol.8,
no.1   p.81-90
  Publication Date: Feb. 1995 Country of Publication: UK
  CODEN: EAAIE6 ISSN: 0952-1976
  U.S. Copyright Clearance Center Code: 0952-1976/95/$9.50+0.00
  Language: English
  Subfile: C

  Abstract: A bar-code **recognition** system using neural networks is
proposed. It is well known that in many stores laser bar-code **readers** are
used at **check - out** counters. However, there is a major constraint when
this tool is used. That is, unlike...

... an important role in such a system. The paper proposes a camera-based
bar-code **recognition** system using backpropagation neural networks. The
ultimate goal of this approach is to use a...
... bar code. Finally, a trained backpropagation neural network is used to
perform the bar-code **recognition** task. Experiments have been conducted to

corroborate the efficiency of the proposed method.

18/3,K/3   (Item 3 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04004527   INSPEC Abstract Number: D91002987
 Title: **MICR technology helps eliminate POS check fraud**
   Author(s): Homa, R.J.
   Author Affiliation: Checkmate Electron. Inc., Roswell, GA, USA
   Journal: Chain Store Age Executive   vol.67, no.9, pt.1   p.79
   Publication Date: Sept. 1991 Country of Publication: USA
   CODEN: COMLEF ISSN: 0193-1199
   Language: English
   Subfile: D

   Abstract: MICR **readers** which attach directly to POS terminals or **cash
    registers** will link the merchant electronically with remote computer
files that validate check transactions electronically in seconds. Thus,
retail outlets will be able to **determine** the authenticity of checks and
the credibility of the check writer more accurately than by manual 'see and
key' methods. A **check** taken at the point-of-sale and electronically **read**
 by a magnetic MICR reader can be processed through a verification or
approval system or...

18/3,K/4   (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00124860   DOCUMENT TYPE: Review

PRODUCT NAMES: Bluetooth (841455)

TITLE: One-button bill paying
AUTHOR: Dvorak, John
SOURCE: Computer Shopper,   v20 n6 p82(1) Jun 2000
ISSN: 0886-0556
HOMEPAGE: http://www.computershopper.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

...as 10 piconets can operate in the same coverage range (approximately 40
feet). Each is **identified** by a separate frequency-hopping sequence to
reduce interference. Bluetooth could conflict with the 802...

...appropriate tasks, such as basic messaging and commerce, especially
credit card transactions. Although no Bluetooth- **ready   cash   register**
/point-of-sale (POS) terminal is yet available, when all the needed
Bluetooth components are...

18/3,K/5   (Item 2 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00124156   DOCUMENT TYPE: Review

PRODUCT NAMES: Privacy (838136); Internet (833029)

TITLE: On the Internet, There's No Place to Hide
AUTHOR: Koppell, Jonathan G S
SOURCE? Industry Standard,   v3 n23 p124(2) Jun 19, 2000
ISSN: 1098-9196
HOMEPAGE: http://www.thestandard.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20000830

...could invade privacy. Searching for suspicious items, they could look
for auction bids and perhaps **check   out** users' perusal of **reading**
material at Amazon.com. However, these scenarios, although possible, are
not nearly as likely as...
...can create customized marketing forays built to entice specific groups
of people who can be **identified** with such information.

18/3,K/6   (Item 3 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00099231   DOCUMENT TYPE: Review

**PRODUCT NAMES: CyberCoin   (636479); Secure Internet Payment Service
(651117); E-Cash   (546526); Net.Commerce   (627291)**

TITLE: The Dollars and Cents of Electronic Commerce
AUTHOR: Barney, Cliff Hood, Phil
SOURCE: NewMedia,   v6 n16 p40(1) Dec 9, 1996
ISSN: 1060-7188
HOMEPAGE: http://www.newmedia.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20020422

...and requires users to download an electronic wallet. The user then
registers online to have **identify** validated. Banks supporting CyberCoin
offer accounts that hold money transferred to the wallet, so the...
...uses a wallet about the size of a pocket calculator that downloads small
quantities of **cash** to a smart card. Transactions are anonymous, and
Mondex readers can be attached to **cash   registers** , kiosks, and
computers. Automated Teller Machine (ATM) systems everywhere could
conceivably also be updated for...

...is First Virtual Holdings' acquisition of credit-card numbers over the
phone, with a personal **identification** number issued to users, and
transactions confirmed by e-mail.

18/3,K/7   (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

06344396
L'informatisation, nouvelle arme de fidZlisation
  FRANCE: DATA PROCESSING AND CUSTOMER LOYALTY
LinZaires (XOO)   Jul-Aug 1996 p.32-35
Language: FRENCH

Caryn Wesner-Early EIC 3600 August 6, 2003 3

Retailers are seeking to increase customer loyalty, but first they must **identify** their customers and be able to analyse their purchases. Therefore they are increasingly using computers to collect and process data, and the point of sale terminals or **cash registers** play a primary role. There are several ways that retailer can collect data at **checkout** stands: bar codes, private payment cards, bank cards, coupon printers, and machines which write out **checks** . Machines which **read** and fill in the **checks** have appeared on the market, and they photograph the total amount of the check and...

18/3,K/8   (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
(c) 2002 The Gale Group. All rts. reserv.

06038043
Cheque reading made easier
  UK: NEW AUTO CHEQUE READER FROM DATASTRIPE
Off Licence News (OLN)   25 Aug 1994   p.14
Language: ENGLISH

Datastripe, UK, has produced a new magnetic ink character **recognition cheque reader** which can **read cheque** details thus cutting down on the possibility of fraud – changes will not be **recognised** – and saving time. When combined with an integrated dual track magnetic stripe card **reader** , **cheque** and card details can recorded simultaneously. The **cheque reader** can be connected to PCs, IBM, NCR **cash tills** and most EPOS **tills** via a range of interfaces.

```
?show files;ds
File  13:BAMP 2003/Jul W3
            (c) 2003 Resp. DB Svcs.
File  75:TGG Management Contents(R) 86-2003/Jul W3
            (c) 2003 The Gale Group
File  15:ABI/Inform(R) 1971-2003/Aug 06
            (c) 2003 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2003/Aug 06
            (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Aug 06
            (c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
            (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Aug 06
            (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Aug 06
            (c) 2003 The Gale Group


Set     Items    Description
S1      224622   CASH()(REGISTER? ? OR DRAWER? ?) OR CHECK?()OUT? ? OR CHEC-
                 KOUT? ? OR ECR OR CASHREGISTER? ? OR TILL? ?
S2      2516727  OPTICAL()(CHARACTER()(RECOGNITION OR READER) OR SENS???) OR
                 OCR OR SCAN(5N)BITMAP OR (CONVERSION OR CONVERT???)(2N)(TEXT
                 OR ASCII) OR (PHOTOELECTRIC OR PHOTO()ELECTRIC)()CELL? ? OR R-
                 EAD???
S3      4677826  CASH OR (PAPER OR FOLDING)()MONEY OR CURRENCY OR LEGAL()TE-
                 NDER OR BANK()NOTE? ? OR BILL? ? OR BANKNOTE? ? OR CHECK? ? OR
                 CHEQUE? ? OR DRAFT? ? OR DRAUGHT? ? OR EURO OR FRANC OR DEUT-
                 SCHMARK OR POUND OR RUPEE OR YEN OR LIRA OR PESO
S4      4925984  IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT??? -
                 OR DIFFERENTIAT??? OR DISTINGUISH??? OR DISCERN? OR PARTICULA-
                 RI? OR PERCEIV???
S5      8714575  VALUE? ? OR VALUATION? ? OR AMOUNT? ? OR PAYMENT? ? OR WOR-
                 TH OR RENUMERAT??? OR DENOMINATION? ? OR FACEVALUE? ? OR FIGU-
                 RE? ? OR SUM OR SUMS OR TOTAL? ?
S6      33421    S2(5N)S3
S7      275551   S4(5N)S5
S8      7        S1(S)S6(S)S7
S9      169      S1(10N)S7
S10     15       S2(S)S9
S11     55258    S2(10N)S3
S12     410541   S4(10N)S5
S13     23       S1(S)S11(S)S12
S14     13       S1(S)(S11(10N)S12)
S15     19       S13 NOT PY>2000
S16     19       S15 NOT PD=20001021:20030930
S17     13       RD (unique items)
```

17/AA,AN,TI/1   (Item 1 from file: 75)

00216860   SUPPLIER NUMBER: 53077759
Playing payments poker.

17/AA,AN,TI/2   (Item 1 from file: 15)

00964740 96-14133
Relationship marketing: The cornerstone of distribution planning

17/AA,AN,TI/3   (Item 2 from file: 15)

00786829 94-36221
Just sign on the electronic line

17/AA,AN,TI/4   (Item 3 from file: 15)

00619141 92-34243
The Tools of Security: Evaluating C-Store Needs

17/AA,AN,TI/5   (Item 1 from file: 16)

06085748   Supplier Number: 53606434
Technology Briefs.

17/AA,AN,TI/6   (Item 2 from file: 16)

04529667   Supplier Number: 46655283
Checkmate - Company Report

17/AA,AN,TI/7   (Item 3 from file: 16)

04031831   Supplier Number: 45862050
Visa International charges ahead with stored-value card

17/AA,AN,TI/8   (Item 4 from file: 16)

03039222   Supplier Number: 44131709
Just Sign on the Electronic Line

17/AA,AN,TI/9   (Item 1 from file: 148)

12358403   SUPPLIER NUMBER: 62303315
FOR WANT OF A HYPHEN.

17/AA,AN,TI/10   (Item 2 from file: 148)

08208238   SUPPLIER NUMBER: 17624421
Visa International charges ahead with stored-value card.(includes related
  article on launching of stored-value cards at 1996 Olympics)

  17/AA,AN,TI/11   (Item 3 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

04638527   SUPPLIER NUMBER: 08325996
The X.25 alternative: building workgroup solutions. (Hardware Review)
  (overview of three evaluations of X.25 routers)(includes related articles
  on X.25 terms and techniques, how the products were tested and editor's
  choice) (evaluation)

  17/AA,AN,TI/12   (Item 4 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

04629315   SUPPLIER NUMBER: 09062005
EDI is the right thing to do. (Electronic data interchange)

  17/AA,AN,TI/13   (Item 5 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

02823372   SUPPLIER NUMBER: 04244190
Go for the gold. (public opinion of smart machines) (editorial)

17/3,K/1   (Item 1 from file: 75)
DIALOG(R)File   75:TGG Management Contents(R)
(c) 2003 The Gale Group. All rts. reserv.

00216860   SUPPLIER NUMBER: 53077759   (USE FORMAT 7 FOR FULL TEXT)
Playing payments poker.
Mayer, Martin
Institutional Investor, 49(1)
Sept 1, 1998
ISSN: 0020-3580   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 5780   LINE COUNT: 00462

...   from a pilot already operating at Wal-Mart Stores and Toys R Us
locations, involves **cash   registers** that can **read**
magnetic-ink-character- **recognition** numbers on **checks** and convert them
to electronic **payments** . For all this activity, a surprisingly large part
of the change the industry had expected...

17/3,K/4   (Item 3 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00619141 92-34243
The Tools of Security: Evaluating C-Store Needs
Lasek, Alicia
NPN: National Petroleum News v84n6   PP: 30-34   Jun 1992
ISSN: 0149-5267   JRNL CODE: NPN
WORD COUNT: 3600

...TEXT: robbery. Erickson helped direct a decade-long study of imprisoned
robbers   who consistently said the **determining** factor in deciding whether
to   rob   a store was the **amount** of **cash   readily** available. The "magic
number" seems to be $50, Erickson says. When the **cash   drawer** holds $50
or less, ($35 is even better, if possible), and signs or decals are...

17/3,K/5   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06085748   Supplier Number: 53606434   (USE FORMAT 7 FOR FULLTEXT)
Technology Briefs.
Card News, v14, n1, pNA
Jan 18, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 722

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...foot cable with AT and PS/2 connectors. Mag-Tek manufactures a line of
card **readers** , MICR **check   readers** , encoders and motorized **readers**
for financial institutions and retailers. The company pioneered magnetic
stripe readers more than 25 years...

...applications of the scaled- down systems include centralized issuance of
credit, debit, ATM and stored- **value** cards, as well as a range of
identification cards, such as loyalty marketing cards and insurance
membership cards. Inline card issuance capabilities include...

...installed terminal base numbers more than 105,000. The service is
similar to CyberCash's **CashRegister** Internet payment service available to
U.S. merchants, which helps to complete sales with customers...

17/3,K/6   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04529667   Supplier Number: 46655283
Checkmate - Company Report
Investext, p1-17
August 26, 1996
Language: English   Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...II, et al From its base as the production leader in point-of-sale (POS)
check - reading devices, Checkmate has successfully expanded into
signature capture, credit and debit card readers and devices...

...driven by retailers' desire to combat check fraud, retailers' strong
incentives to speed customers through **check - out** lines as efficiently as
possible, consumers' demands that retailers offer multiple alternatives for
payment methods, and retailers' **determination** to preserve their sizable
investments in existing systems. Tables in report: Stock Price/Earnings
Data 1994-97; **Check   Readers** ; Checkmate's Marketing Partners; U.S.
Market Size Penetration, In Decile Ranking; Distribution Of Product...

17/3,K/9   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

12358403   SUPPLIER NUMBER: 62303315   (USE FORMAT 7 OR 9 FOR FULL TEXT)
FOR WANT OF A HYPHEN.
GERSHANOFF, HAL
Journal of Electronic Defense, 23, 4, 12
April, 2000
ISSN: 0192-429X   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 590   LINE COUNT: 00045

...   to an intensified interest in the stock market. Not as an investor
necessarily, but to **check   out** the **perceived   value** of the companies
you **read** about in JED or whose ads you see (or more likely, no longer
see) here...

17/3,K/13   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

02823372   SUPPLIER NUMBER: 04244190   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Go for the gold. (public opinion of smart machines) (editorial)
Stoffels, Bob
Telephone Engineer & Management, v90, p4(1)
May 15, 1986
DOCUMENT TYPE: editorial   ISSN: 0040-263X   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 576   LINE COUNT: 00041

...   things on and off automatically, and talk to you if you have done
something wrong.
      Cash   registers   read and recite prices, calculate **totals** and
taxes, and **determine** proper change.
      And personal computers will do so many things that we can't even...

```
?show files;ds
File    9:Business & Industry(R) Jul/1994-2003/Aug 04
          (c) 2003 Resp. DB Svcs.
File   20:Dialog Global Reporter 1997-2003/Aug 06
          (c) 2003 The Dialog Corp.
File  610:Business Wire 1999-2003/Aug 06
          (c) 2003 Business Wire.
File  613:PR Newswire 1999-2003/Aug 06
          (c) 2003 PR Newswire Association Inc
File  624:McGraw-Hill Publications 1985-2003/Aug 06
          (c) 2003 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2003/Aug 05
          (c) 2003 San Jose Mercury News
File  636:Gale Group Newsletter DB(TM) 1987-2003/Aug 06
          (c) 2003 The Gale Group
File  810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File  813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc


Set     Items     Description
S1     394190     CASH()(REGISTER? ? OR DRAWER? ?) OR CHECK?()OUT? ? OR CHEC-
                  KOUT? ? OR ECR OR CASHREGISTER? ? OR TILL? ?
S2    2836977     OPTICAL()(CHARACTER()(RECOGNITION OR READER) OR SENS???) OR
                  OCR OR SCAN(5N)BITMAP OR (CONVERSION OR CONVERT???)(2N)(TEXT
                  OR ASCII) OR (PHOTOELECTRIC OR PHOTO()ELECTRIC)()CELL? ? OR R-
                  EAD???
S3    6331509     CASH OR (PAPER OR FOLDING)()MONEY OR CURRENCY OR LEGAL()TE-
                  NDER OR BANK()NOTE? ? OR BILL? ? OR BANKNOTE? ? OR CHECK? ? OR
                  CHEQUE? ? OR DRAFT? ? OR DRAUGHT? ? OR EURO OR FRANC OR DEUT-
                  SCHMARK OR POUND OR RUPEE OR YEN OR LIRA OR PESO
S4    5511031     IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT??? -
                  OR DIFFERENTIAT??? OR DISTINGUISH??? OR DISCERN? OR PARTICULA-
                  RI? OR PERCEIV???
S5   11132764     VALUE? ? OR VALUATION? ? OR AMOUNT? ? OR PAYMENT? ? OR WOR-
                  TH OR RENUMERAT??? OR DENOMINATION? ? OR FACEVALUE? ? OR FIGU-
                  RE? ? OR SUM OR SUMS OR TOTAL? ?
S6      50883     S2(5N)S3
S7     172150     S4(5N)S5
S8          2     S1(S)S6(S)S7
S9      78924     S2(10N)S3
S10    272536     S4(10N)S5
S11         7     S1(S)S9(S)S10
S12       168     S1 AND S9 AND S10
S13        10     S1 AND (S9(10N)S10)
S14         8     S13 NOT PY>2000
S15         7     S14 NOT PD=20001021:20030930
S16         6     RD (unique items)
```

16/3,K/1   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c)●2003 Resp. DB Svcs. All rts. reserv.

2618656 Supplier Number: 02618656   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Networks Prepare For An Online Check World
(Around 18 bil checks are still being written at sales locations; according
  to Tower Group, check fraud cost merchants $13 bil and financial
  institutions $1.3 bil in 1998)
Bank Network News, v 18, n 10, p 1+
October 12, 1999
DOCUMENT TYPE: Newsletter ISSN: 1063-4428   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1935

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...to cut their check-related costs.

A growing number of retailers are deploying devices that **read** the
bank-identification and consumer-account numbers printed on customers'
checks . This Magnetic Ink Character **Recognition** data is then used to
route the transactions and capture **payment** from customer bank accounts
electronically via the nation's automated clearing house system.
Today, more...

...based on the cost savings that is garnered from the lower-risk check
transactions.

Accounts **Check**   **Out**

Among the planned products, the most basic would provide the ability to
validate whether a...

 16/3,K/2   (Item 2 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2269701 Supplier Number: 02269701   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Playing payments poker (Part 1 of 2)
(US payments system costs some $204 bil/year or 3% of GDP; an average
  noncash consumer transaction is $50; if processing, billing and mailing
  add up to $2.60/transaction, this is 5% of consumer transactions)
Institutional Investor Americas, v XXXII, n 9, p 49+
September 1998
DOCUMENT TYPE: Journal ISSN: 0020-3580   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2939

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...from a pilot already operating at Wal-Mart Stores and Toys R Us
locations, involves **cash**   **registers** that can **read**
magnetic-ink-character- **recognition** numbers on **checks** and convert them
to electronic **payments** . For all this activity, a surprisingly large part
of the change the industry had expected...

...that gets separated from the check in the lock-box operation; the bank
takes the **check**   **out** of the envelope and begins to collect it for the
biller, sending on the bill...

Caryn Wesner-Early EIC 3600 August 6, 2003 1

16/3,K/3   (Item 3 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2021492 Supplier Number: 02021492   (USE FORMAT 7 OR 9 FOR FULLTEXT)
The Battle For Internet Bill Payment And Presentment
(Survey by Mentis indicates that almost 70% of billers with 5 mil or more
  customers will begin implementing interactive billing and payment
  capablities by the end of 1997)
Bank Technology News, v 10, n 12, p 31+
December 1997
DOCUMENT TYPE: Journal   ISSN: 1060-3506 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2633

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...into paper checks to the biller. But, unlike the remittance stub that
typically accompanies a **check   payment** and is encoded with an **optical
character   recognition** (**OCR**) scan line, billers instead receive a "
check and list" (that is, one check and a list of accounts to credit.)
Thus, most...

...fees, banks need to be placing bill payment capture devices, in the form
of electronic **cash   register** software, at their billers' Internet sites.

By supporting such a direct payment and deposit capability...

...own Internet storefronts and service displays. Once the bill payer is at
the site, electronic **cash   register** software, such as that provided by
CyberCash, Inc. of Reston, VA, allows the billet to...role

By collaborating with their billers on this direct payment scenario, and by
supporting electronic **cash   register** software, banks can accept
electronic check deposits with the same bank-controlled and branded process
...

...check deposits to a physical bank branch, the CyberCash service uses the
biller's electronic **cash   register** software and advanced encryption to
securely deliver electronic funds transfer requests directly to a bank...

16/3,K/4   (Item 1 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08313145 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Debt and equities
Bala Swaminathan and Khazat Kotwal
ECONOMIC TIMES
November 20, 1999
JOURNAL CODE: WETI   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 995

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   each reporting date.
     Held to maturity securities: Debt securities that the enterprise
intents to hold **till** maturity and has the ability to do so are classified
as 'held to maturity securities...

... issuers creditworthiness or a liquidity crunch prompting the enterprise
to sell its investments to generate **cash** .
     Trading securities: They include both debt and equity securities with

Caryn Wesner-Early EIC 3600 August 6, 2003 2

readily   determinable fair **values** . Trading securities are bought and held primarily for sale in the near term generally for...

▲ ● ⌒

16/3,K/5   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03766362   Supplier Number: 48152589   (USE FORMAT 7 FOR FULLTEXT)
Interactive Banking Technology: A BTN Special Supplement
Bank Technology News, pN/A
Dec 1, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2643

...   into paper checks to the biller. But, unlike the remittance stub that typically accompanies a **check   payment** and is encoded with an **optical character recognition** (**OCR**) scan line, billers instead receive a " **check** and list" (that is, one check and a list of accounts to credit.) Thus, most...

...fees, banks need to be placing bill payment capture devices, in the form of electronic **cash register** software, at their billers' Internet sites.
    By supporting such a direct payment and deposit capability...

...own Internet storefronts and service displays. Once the bill payer is at the site, electronic **cash register** software, such as that provided by CyberCash, Inc. of Reston, VA, allows the biller to...role
    By collaborating with their billers on this direct payment scenario, and by supporting electronic **cash register** software, banks can accept electronic check deposits with the same bank-controlled and branded process
...

...check deposits to a physical bank branch, the CyberCash service uses the biller's electronic **cash register** software and advanced encryption to securely deliver electronic funds transfer requests directly to a bank...

16/3,K/6   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01224285   Supplier Number: 41225204   (USE FORMAT 7 FOR FULLTEXT)
IBM OFFICIALLY UNVEILS IMAGING SYSTEM
Item Processing Report, v1, n3, pN/A
March 15, 1990
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1050

...   compressing the 2.5 million bytes of data in each check into 40,000 bytes.
    Recognition technology, called RECO by IBM, then reads the courtesy **amount** that was machine-printed or handwritten on the **check** . Tests by IBM have resulted in successful **read** rates of approximately 50%. If the system cannot read the amount, the image is sent...

...Trust in Chicago to test and purchase what would become the InfoImage system. Also, National **Cash Register** was planning to enter the market.
    A source close to the industry told ITEM PROCESSING...

```
        FILE 'CONFSCI' ENTERED AT 17:24:15 ON 06 AUG 2003
L1          439 S CASH(W)(REGISTER# OR DRAWER#) OR CHECK?(W)OUT# OR CHECKOUT# O
L2         1500 S OPTICAL(W)(CHARACTER(W)(RECOGNITION OR READER) OR SENS###) OR
L3          725 S CASH OR (PAPER OR FOLDING)(W)MONEY OR CURRENCY OR LEGAL(W)TEN
L4        55891 S IDENTIF? OR ID OR DETERMIN? OR RECOGNI? OR DISCRIMINAT### OR
L5        14331 S VALUE# OR VALUATION# OR AMOUNT# OR PAYMENT# OR WORTH OR RENUM
L6            3 S L2(5A)L3
L7          580 S L4(5A)L5
L8            0 S L1(P)L6(P)L7
L9            0 S L1 AND L6
```

```
L6    ANSWER 1 OF 3  CONFSCI   COPYRIGHT 2003 CSA on STN
AN    96:23503  CONFSCI
DN    96-035376
TI    "Checks and balances of power": Reading the Komagata
      maru
AU    Grace, S.E.; Helms, G.
CS    Univ. British Columbia
SO    Association for Canadian Studies in the United States, One DuPont Circle,
      Suite 620, Washington, DC 20036, Contact individual authors concerning
      paper availability..
      Meeting Info.: 954 0084: Biennial Meeting of the Association for Canadian
      Studies in the United States (9540084). Seattle, WA (USA). 15-19 Nov 1995.
      Association for Canadian Studies in the United States.
DT    Conference
FS    DCCP
LA    English

L6    ANSWER 2 OF 3  CONFSCI   COPYRIGHT 2003 CSA on STN
AN    90:35061  CONFSCI
DN    91004684
TI    Presentation and demonstration of various NDS (Nestor Development System)
      applications: Active sonar target recognition; autonomous vehicle
      navigation; reading addresses on bank checks
AU    Paillet, G.
CS    EUROPIXELS, France
SO    NTC, 19 rue de la Tour, 75116 Paris, France, 2 volumes - abstracts of
      poster papers and full papers of oral papers, $213.48.
      Meeting Info.: 903 5002: INNC-90-PARIS (9035002). Paris (France). 9-13 Jul
      1990. IEEE Neural Network Council Cooperating Societies;  Commission of
      the European Communities;  International Network Society.
DT    Conference
FS    DCCP
LA    UNAVAILABLE

L6    ANSWER 3 OF 3  CONFSCI   COPYRIGHT 2003 CSA on STN
AN    78:55814  CONFSCI
DN    78098495
TI    E13B or CMC7 cheque code MR & conventional reading
      heads comparison.
AU    Helle, M.
SO    Digest of papers included in registation during meetings; full papers in
      "IEEE Transactions on Magnetics," Sep 78 Issue: IEEE Service Center, 445
      Hoes Lane, Piscataway, NJ 08854.
      Meeting Info.: 982 2004: International Magnetics Conference (INTERMAG)
      (782 20041;v6n12 ). Florence, Italy. 9-12 May 78. IEEE (Magnetics Society)
      Associazione Elettrotecnica Italiania.
DT    Conference Article
FS    DCCP
LA    UNAVAILABLE
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08/06/2003 CSW-E